

# Wildlife: Terrestrial and Endangered Resources Program

**W**ildlife: Terrestrial & Endangered Resources research is conducted on migratory birds, mammals, amphibians, and their habitats. Results complement and support the conservation and management efforts of Federal and State wildlife agencies, non-governmental organizations and international treaties.



## Program Goals

**Provide the scientific foundation for the conservation of terrestrial plants, wildlife, and habitats.**

- ◆ Conduct hypothesis driven research to enhance the current state of knowledge about the diversity, life history, and interactions of wildlife species
- ◆ Develop the basic biological information required by partners for management decisions



**Provide tools and techniques for effective science-based management, such as predictive models, decision support systems, and expert systems.**

- ◆ Determine factors involved in the population dynamics of large predators and identify potential management strategies
- ◆ Identify and evaluate potential management strategies for introduced species

**Identify the factors contributing to and limiting the conservation of species-at-risk.**

- ◆ Develop science for habitat conservation planning
- ◆ Develop specific population viability analyses, limiting factor determinations, and modeling for species recovery
- ◆ Assess the conservation requirements of seriously declining migratory species
- ◆ Evaluate effectiveness of management recovery efforts

**Institute an adaptive science approach.**

- ◆ Engage partners to define high priority research needs
- ◆ Support the adaptive management of terrestrial plants and wildlife
- ◆ Provide technical assistance to natural resource managers



- ❖ Population-Habitat Linkages
- ❖ Wildlife Disease
- ❖ Science for Declining and Endangered Species
- ❖ Species of Emphasis:
  - Migratory birds
  - Amphibians
  - Large Predators
  - Invasive/Pest Wildlife

**Enhance USGS wildlife research to meet emerging and future issues.**

- ◆ Build additional capabilities, expertise, and capacity in the Wildlife: Terrestrial and Endangered Resources Program to meet the emerging needs of USGS partners as wildlife issues take on new importance in today's society.



## For more information

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